



## 4 CH GPS DVR

Vehicle Surveillance



**NEW** 2012 MAY. V1.0

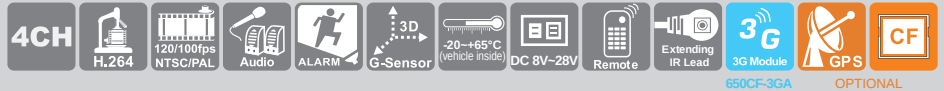


### SA-650CF SA-650CF-3GA (3G Module)

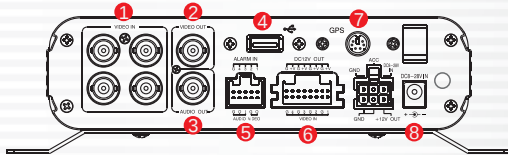
- Max. up to 4 CH vehicle cameras, can take record for inside and outside the vehicle.
- Video output for live view, playback with monitor.
- H.264 Compression format.
- Recording format : D1 and CIF.
- Build-in single channel microphone.
- Quick Search Overall Event Log.
- The full recording time and date can be showing in the monitor directly.
- Auto-Record after memory card Plug-in and Power Supplied.
- Data Store in CF card for better safety and anti-vibration performance.
- 4 sets of alarm input ports, built-in buzzer.
- Support Record Video with audio, video, G-sensor and GPS data at the same time.
- Optional for 3G module, control the driving status and data at any time. (SA-650CF-3GA)

# SA-650CF / SA-650CF-3GA

4CH GPS DVR Vehicle Surveillance



## Rear Panel



1. Video In
2. Video Out
3. Audio Out
4. USB
5. ALARM In / Audio Input/Output / Video Output
6. DC12V Out / Video In
7. GPS
8. Power Input DC 8-28V

## Player Viewer



## Specifications

|                       |                                                                    |                        |
|-----------------------|--------------------------------------------------------------------|------------------------|
| Video Format          | NTSC                                                               | PAL                    |
| Video Input           | 4CH Input BNC/ Harness Connector                                   |                        |
| Audio Input           | 1CH Input / Harness Connector                                      |                        |
| Video Output          | 1CH Output BNC / Harness Connector                                 |                        |
| Audio Output          | 1CH Output RCA / Harness Connector                                 |                        |
| Alarm Input           | 4 Alarm Input                                                      |                        |
| Alarm Output          | Buzzer                                                             |                        |
| Display Mode          | Full Screen, 4 Split                                               |                        |
| Display Resolution    | 720 x 480                                                          | 720 x 576              |
| Recording Resolution  | D1<br>720 x 480<br>CIF<br>360 x 240                                | 720 x 576<br>360 x 288 |
| Recording Frame       | Max. 120 FPS                                                       | Max. 100 FPS           |
| Compression Format    | H.264 Technology                                                   |                        |
| Operation System      | Embedded Linux Kernel                                              |                        |
| Recording Mode        | Record / Playback / Backup                                         |                        |
| Schedule Recording    | Schedule Recording                                                 |                        |
| LED Indicator         | 15/30/60/120 Minutes                                               |                        |
| Event Mode            | Power, Recording(CF1), GPS(CF2)                                    |                        |
| Playback Mode         | Alarm Trigger / Video Loss                                         |                        |
| Network               | Normal Speed x1/Fast Forward/Fast Rewind                           |                        |
| GPS                   | Search Function: Time / Event                                      |                        |
| Storage Type          | 3G Module (optional)                                               |                        |
| Backup Device         | GPS (optional)                                                     |                        |
| Firmware Update       | CF Card                                                            |                        |
| Multi-Language        | PC VIEWER                                                          |                        |
| G Sensor              | USB                                                                |                        |
| Operation             | English / Traditional Chinese / Others (Customizable)              |                        |
| Power Supply          | G Sensor                                                           |                        |
| Dimension             | IR Remote Controller (Extending IR Lead)                           |                        |
| Weight                | DC 8V~ 28V                                                         |                        |
| Operation Temperature | 214mm x 160mm x 58mm (W x D x H)                                   |                        |
| Accessories           | 0.92kg ( including CF card)                                        |                        |
|                       | -20°C~65°C (inside vehicle)                                        |                        |
|                       | Main Machine, Remote Control, Card Reader,                         |                        |
|                       | 3M Extending IR Lead, 3 Pin Power Cable,                           |                        |
|                       | Harness Plug for Video Input , Alarm Cable, Driver CD, Quick Guide |                        |
|                       | ★. Build-in 3G: Antenna, 1.5M Extension Antenna Cord               |                        |
|                       | 3G Module, G-Mouse, SD Card                                        |                        |
|                       | Optional                                                           |                        |

★Version updating is not going to inform, please check the on-going updating information

## Vehicle Tracking Management System



## 3G operating management system



## Application Guide



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